

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

Claims 1-33 (Cancelled)

34. (New) An isolated human (SEQ ID NO: 14), mouse (SEQ ID NO: 16) or *D. melanogaster* (SEQ ID NO: 18) presenilin associated membrane protein (PAMP), or a function-conservative fragment thereof.

35. (New) A mutant presenilin associated membrane protein (PAMP), or a fragment thereof, which is substantially homologous to human (SEQ ID NO: 14), mouse (SEQ ID NO: 16) or *D. melanogaster* (SEQ ID NO: 18) PAMP.

36. (New) The mutant PAMP, or fragment thereof, according to claim 39, wherein said mutant PAMP is mutated such that the mutation results in biochemical changes similar to those associated with mutations in presenilin-1, presenilin-2 or β -amyloid precursor protein linked to familial Alzheimer's Disease.

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37. (New) A mutant presenilin associated membrane protein (PAMP), or a fragment thereof, wherein said mutant PAMP comprises a mutation to an amino acid residue selected from the group consisting of D336, Y337, C230, and both D336 and Y337 of human PAMP (SEQ ID NO:14).